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FILE LAST UPDATED: 27 Feb 2006  (20060227/ED)

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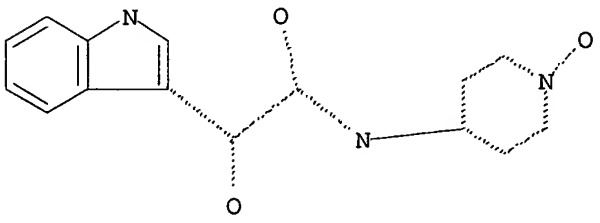


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Structure attributes must be viewed using STN Express query preparation.
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L7   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2004:927194  CAPLUS
DOCUMENT NUMBER:          141:395426
TITLE:                    Preparation of N-oxopyridinyl
                          hydroxyindolylglyoxylamides as phosphodiesterase IV
                          inhibitors.
INVENTOR(S):              Hoefgen, Norbert; Kuss, Hildegard; Steinike, Karin;
                          Egerland, Ute; Rundfeldt, Chris; Pfeifer, Thomas
PATENT ASSIGNEE(S):       Elbion A.-G., Germany
SOURCE:                   PCT Int. Appl., 41 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 German
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.        DATE
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WO 2004094406		A1	20041104	WO 2004-EP4340	20040423
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RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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CA 2523062		AA	20041104	CA 2004-2523062	20040423
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PRIORITY APPLN. INFO.: DE 2003-10318609 A 20030424
WO 2004-EP4340 W 20040423

OTHER SOURCE(S): MARPAT 141:395426

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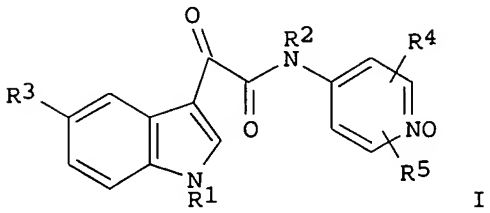

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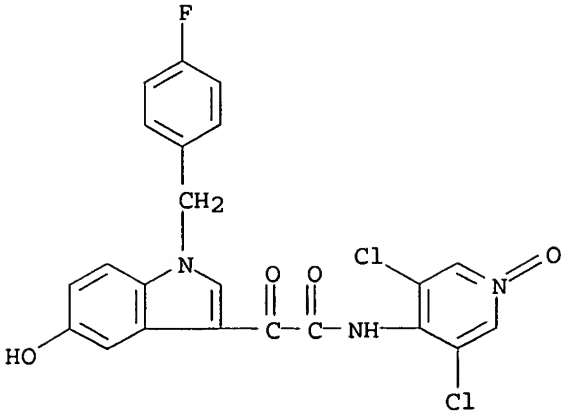
AB Title compds. [I; R1 = (substituted) alkyl, alkenyl; R2 = H, alkyl; R3 = OH; R4, R5 = H, alkyl, OH, SH, NH2, NO2, cyano, SO3H, CO2H, alkoxycarbonyl, halo, alkoxy, alkylthio, (substituted) Ph, pyridyl, etc.], were prepared Thus, N-(3,5-dichloropyridin-4-yl) [5-benzyloxy-1-(4-fluorobenzyl)indol-3-yl]glyoxylamide in CH2Cl2 was treated dropwise with m-chloroperbenzoic acid in HOAc followed by stirring for 7 days to give 16.1% pyridine N-oxide derivative, which was refluxed with BBr3 in CH2Cl2 to give 72.8% N-(3,5-dichloro-1-oxopyridin-4-yl) [1-(4-fluorobenzyl)-5-hydroxyindol-3-yl]glyoxylamide. I inhibited phosphodiesterase 4 with IC50's in the range of 10-5 M to 10-10 M.

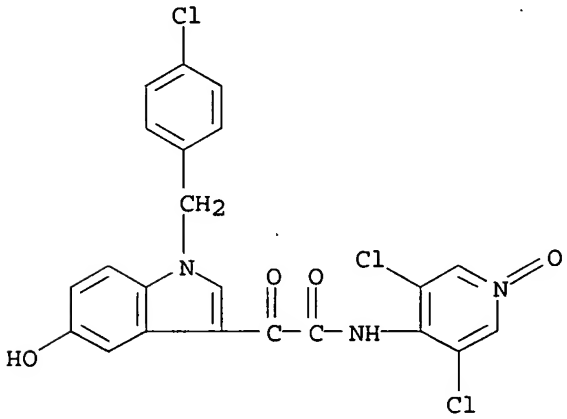
IT **786688-50-4P 786688-51-5P 786688-52-6P**
786688-53-7P 786688-54-8P 786688-55-9P
786688-56-0P 786688-57-1P 786688-58-2P
786688-59-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of oxopyridinyl hydroxyindolylglyoxylamides as
phosphodiesterase IV inhibitors)

RN 786688-50-4 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-5-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 786688-51-5 CAPLUS
CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 786688-52-6 CAPLUS
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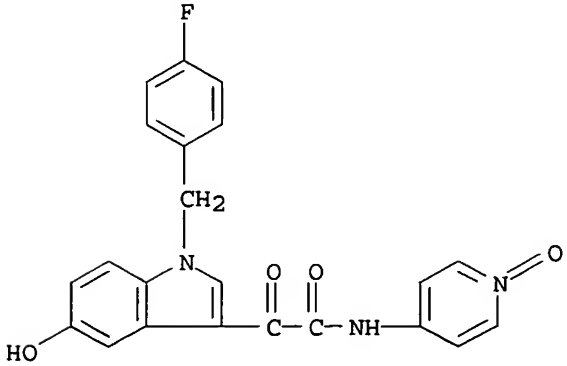

RN 786688-53-7 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,4-

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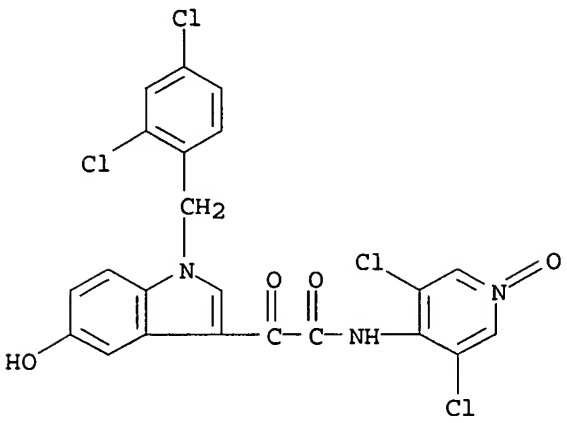

RN 786688-54-8 CAPLUS
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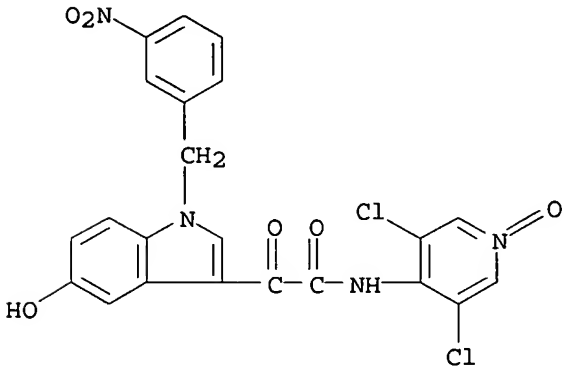
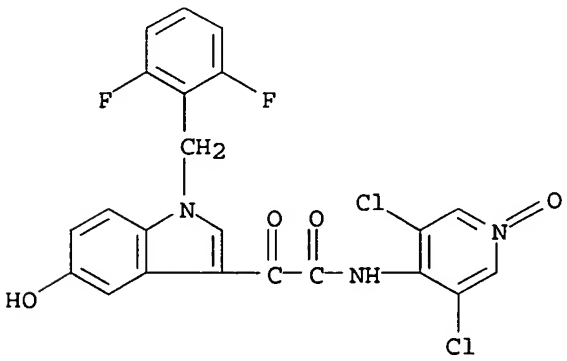


RN 786688-55-9 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,6-difluorophenyl)methyl]-5-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



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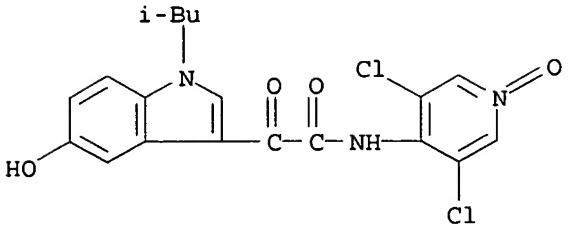

RN 786688-57-1 CAPLUS
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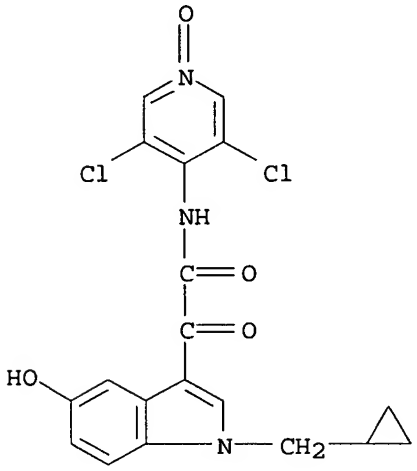
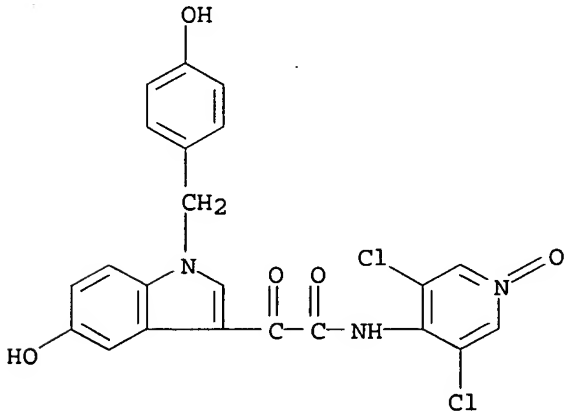
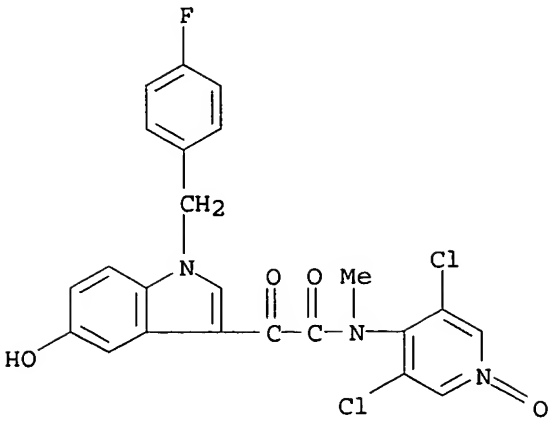


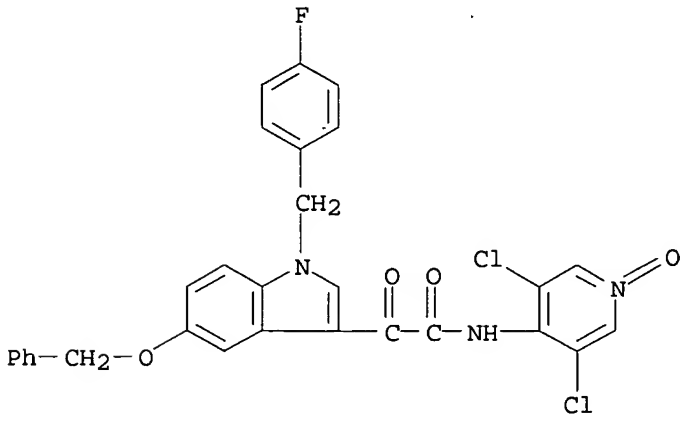
RN 786688-58-2 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-1-[(4-hydroxyphenyl)methyl]-α-oxo- (9CI) (CA INDEX NAME)



RN 786688-59-3 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-5-hydroxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)



IT **786688-60-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of oxopyridinyl hydroxyindolylglyoxylamides as phosphodiesterase IV inhibitors)
RN 786688-60-6 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-α-oxo-5-(phenylmethoxy)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:927193 CAPLUS
DOCUMENT NUMBER: 141:395425
TITLE: Preparation of hydroxyindolylglyoxylic acid oxopyridinylamides as phosphodiesterase IV inhibitors.
INVENTOR(S): Hoefgen, Norbert; Kuss, Hildegard; Steinike, Karin; Egerland, Ute; Rundfeldt, Chris
PATENT ASSIGNEE(S): Elbion A.-G., Germany
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004094405	A1	20041104	WO 2004-EP4338	20040423
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RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10318611	A1	20041111	DE 2003-10318611	20030424
US 2004242643	A1	20041202	US 2004-825862	20040416
CA 2523048	AA	20041104	CA 2004-2523048	20040423
EP 1615912	A1	20060118	EP 2004-729109	20040423
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				

PRIORITY APPLN. INFO.: DE 2003-10318611 A 20030424
WO 2004-EP4338 W 20040423

OTHER SOURCE(S): MARPAT 141:395425

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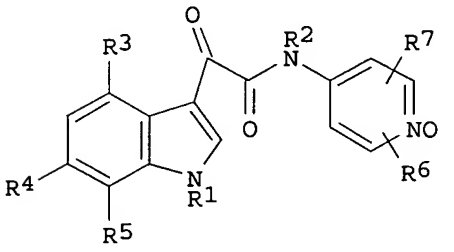
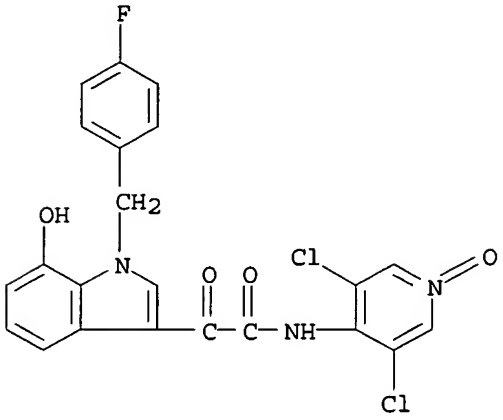


I

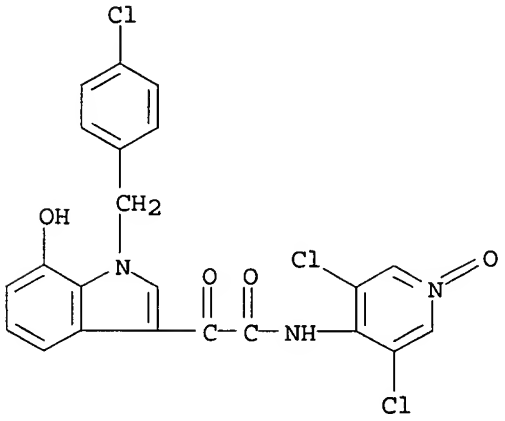
AB Title compds. [I; R1 = (substituted) alkyl, alkenyl; R2 = H, alkyl; R3-R5 = H, OH; ≥1 or R3-R5 = OH; R6, R7 = H, alkyl, OH, SH, NH2, NO2, cyano, SO3H, CO2H, alkylcarbonyloxy, halo, alkylthio, (substituted) Ph, pyridyl, etc.], were prepared Thus, N-(3,5-dichloropyridin-4-yl) [7-benzyloxy-1-(4-fluorobenzyl)indol-3-yl]glyoxylic acid amide was stirred 7 days with m-chloroperbenzoic acid in HOAc to give 16.9% pyridine N-oxide derivative, which was refluxed with BBr3 in CH2Cl2 to give 66.2% N-(3,5-dichloro-1-oxopyridin-4-yl) [1-(4-fluorobenzyl)-7-hydroxyindol-3-yl]glyoxylic acid amide. I inhibited phosphodiesterase 4 with IC50's in the range of 10-10 M to 10-5 M.

IT **785787-52-2P 785787-53-3P 785787-54-4P**
785787-55-5P 785787-56-6P 785787-57-7P
785787-58-8P 785787-59-9P 785787-60-2P
785787-61-3P 785787-62-4P 785787-63-5P
785787-64-6P 785787-65-7P 785787-66-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of hydroxyindolylglyoxylic acid oxopyridinylamides as phosphodiesterase IV inhibitors)

RN 785787-52-2 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 785787-53-3 CAPLUS
CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



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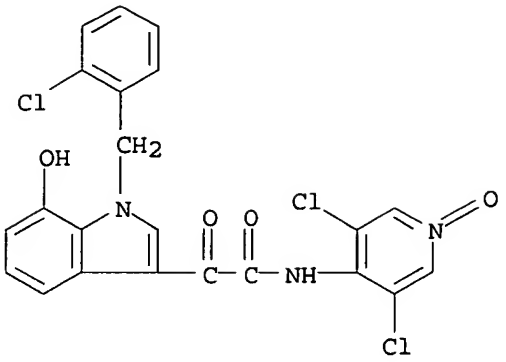
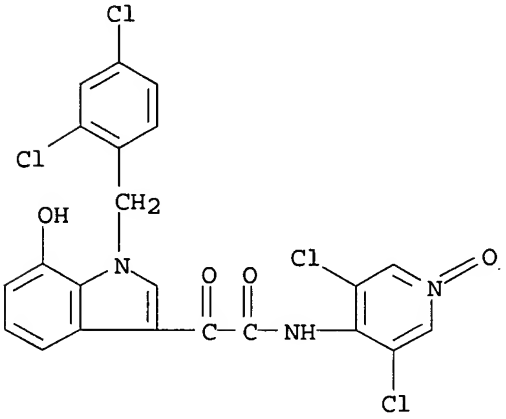
CN 1H-Indole-3-acetamide, 1-[(2-chlorophenyl)methyl]-N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 785787-55-5 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,4-dichlorophenyl)methyl]-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 785787-56-6 CAPLUS
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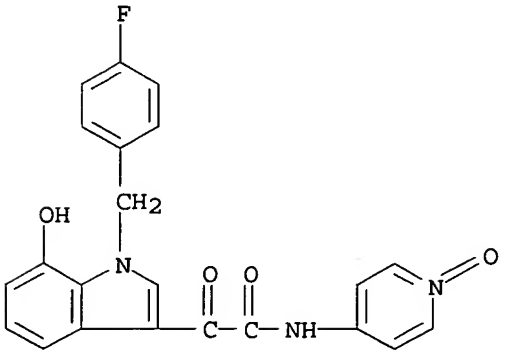

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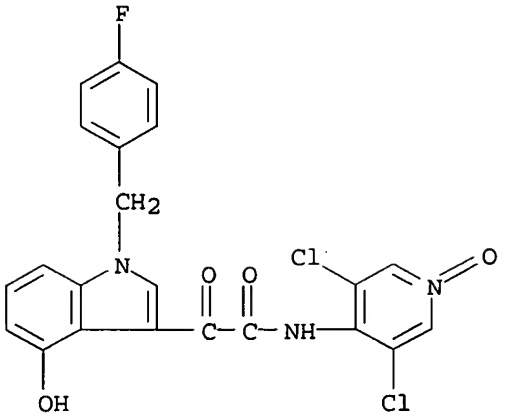

RN 785787-58-8 CAPLUS
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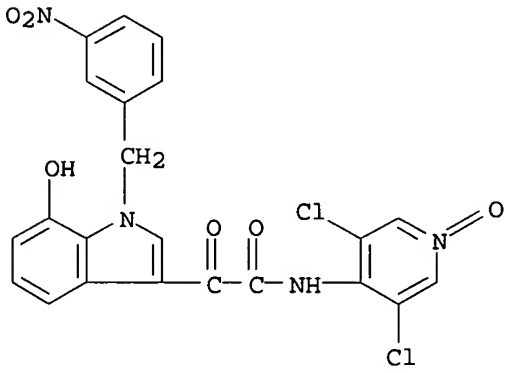

RN 785787-59-9 CAPLUS
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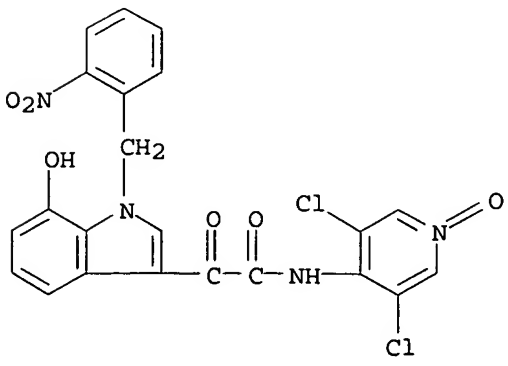
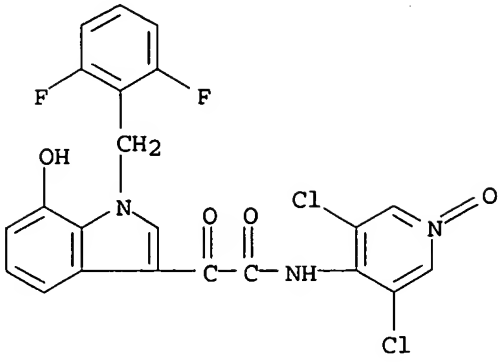


RN 785787-60-2 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,6-difluorophenyl)methyl]-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 785787-61-3 CAPLUS
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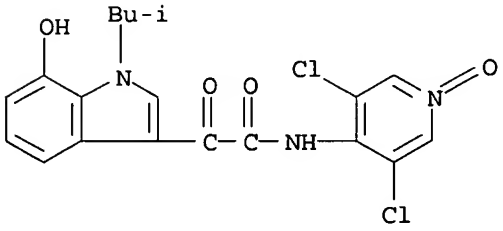

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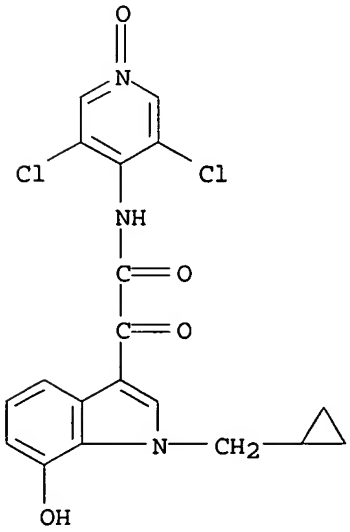
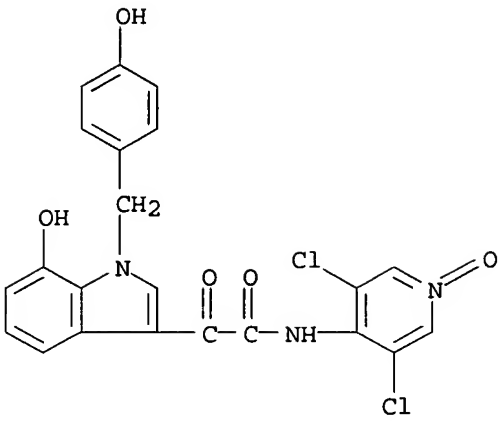
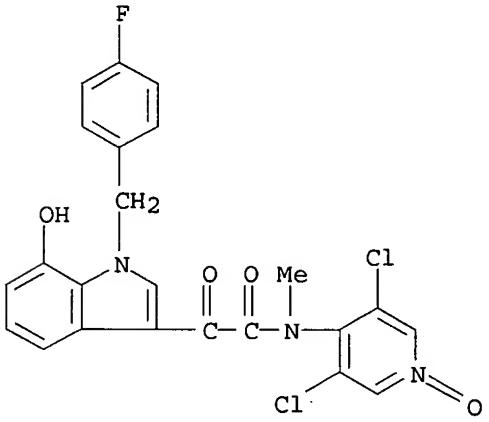


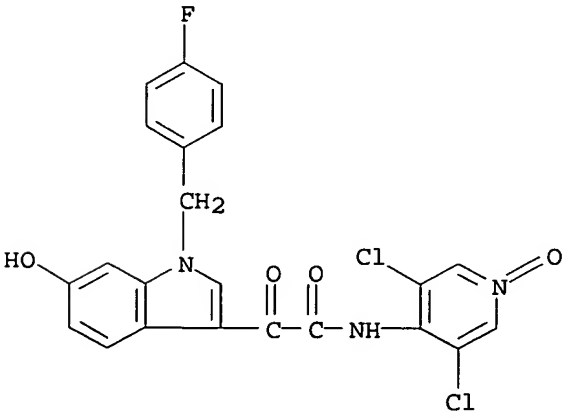
RN 785787-63-5 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-[(4-hydroxyphenyl)methyl]-α-oxo- (9CI) (CA INDEX NAME)



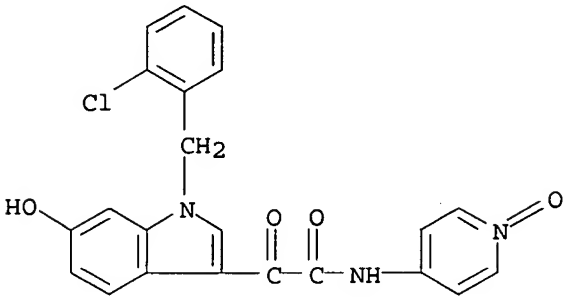
RN 785787-64-6 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-7-hydroxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)



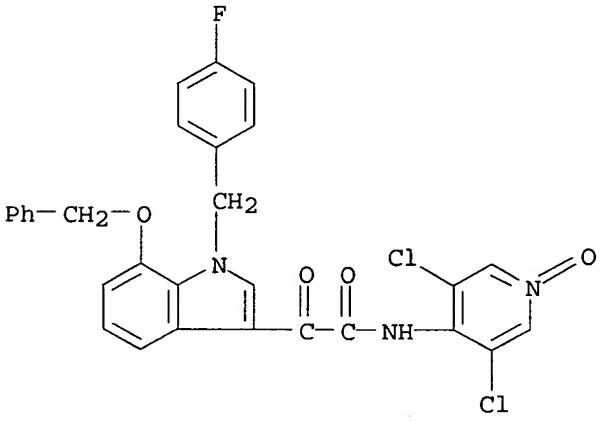
RN 785787-65-7 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-6-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 785787-66-8 CAPLUS
CN 1H-Indole-3-acetamide, 1-[(2-chlorophenyl)methyl]-6-hydroxy-N-(1-oxido-4-pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)



IT **785787-67-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of hydroxyindolylglyoxylic acid oxopyridinylamides as phosphodiesterase IV inhibitors)
RN 785787-67-9 CAPLUS
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-α-oxo-7-(phenylmethoxy)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:659229 CAPLUS
DOCUMENT NUMBER: 131:271807
TITLE: Preparation of indolylglyoxylamides as antitumor agents
INVENTOR(S): Nickel, Bernd; Szelenyi, Istvan; Schmidt, Jurgen; Emig, Peter; Reichert, Dietmar; Gunther, Eckhard; Brune, Kay
PATENT ASSIGNEE(S): Asta Medica A.-G., Germany
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

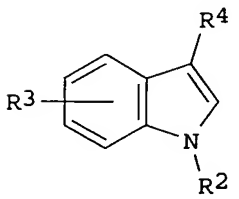
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9951224	A1	19991014	WO 1999-EP1918	19990322
W: AU, BG, BR, BY, CA, CN, CZ, EE, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, UZ, YU, ZA, AM, AZ, MD, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19814838	A1	19991014	DE 1998-19814838	19980402
DE 19814838	C2	20010118		
CA 2326833	AA	19991014	CA 1999-2326833	19990322
AU 9929349	A1	19991025	AU 1999-29349	19990322
AU 768510	B2	20031218		
BR 9909902	A	20001226	BR 1999-9902	19990322
EP 1071420	A1	20010131	EP 1999-910372	19990322
EP 1071420	B1	20050914		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 200002853	T2	20010221	TR 2000-200002853	19990322
EE 200000581	A	20020215	EE 2000-581	19990322
EE 4354	B1	20041015		
JP 2002510622	T2	20020409	JP 2000-541995	19990322
NZ 507084	A	20031031	NZ 1999-507084	19990322
AT 304352	E	20050915	AT 1999-910372	19990322
RU 2262339	C2	20051020	RU 2000-128035	19990322
US 6232327	B1	20010515	US 1999-285058	19990402
US 2003114511	A1	20030619	US 2000-492531	20000127
US 6693119	B2	20040217		
NO 2000004916	A	20001201	NO 2000-4916	20000929
HR 2000000643	A1	20010430	HR 2000-643	20001002
BG 104849	A	20010531	BG 2000-104849	20001012
ZA 2000006150	A	20010111	ZA 2000-6150	20001031
US 2003023093	A1	20030130	US 2001-810604	20010319
HK 1036408	A1	20050218	HK 2001-107405	20011024
US 2003195360	A1	20031016	US 2002-309204	20021204
US 2004171668	A1	20040902	US 2003-686809	20031017

PRIORITY APPLN. INFO.:

DE 1998-19814838	A	19980402
WO 1999-EP1918	W	19990322
US 1999-285058	A1	19990402
DE 1999-19946301	A	19990928
US 2000-492531	A1	20000127
US 2001-810604	A1	20010319

OTHER SOURCE(S): MARPAT 131:271807

GI



I

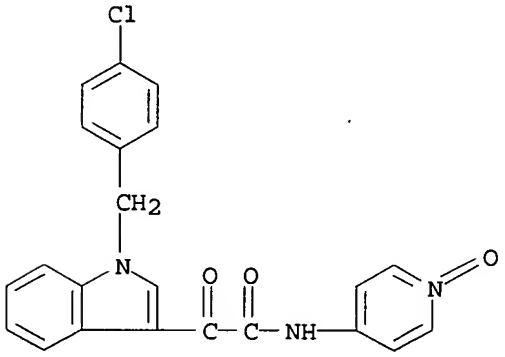
AB Title compds. [I; R2 = H or (un)substituted alkyl; R3 = H or 1 or 2 of halo, alkyl, alkoxy, etc.; R4 = C(:X)C(:X)NRR1; R = H, (un)substituted alkyl, CO2CH2Ph, etc.; R1 = (un)substituted Ph, -pyridyl, -pyrimidyl, etc.; RR1 = (CH2CH2)2NR7; R7 = alkyl, Ph, CHPh2, etc.; X = O or S] were

prepared Thus, indole was N-alkylated by 4-FC6H4CH2Cl and the product acylated by (COCl)2 to give, after 4-aminopyridine amidation, I (R2 = CH2C6H4F-4, R3 = H, R4 = COCONHR1, R1 = 4-pyridyl). Data for biol. activity of I were given.

IT **245661-30-7P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indolylglyoxylamides as antitumor agents)

RN 245661-30-7 CAPLUS

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 11:43:51 ON 28 FEB 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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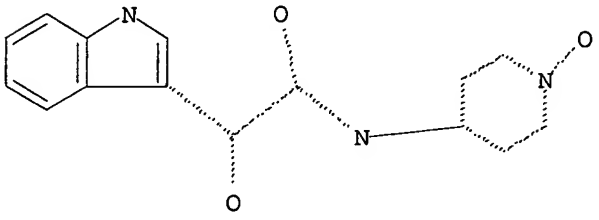

Structure attributes must be viewed using STN Express query preparation.
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L8 8 SEA L6

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L8 ANSWER 1 OF 8 USPATFULL on STN
ACCESSION NUMBER: 2004:335666 USPATFULL
TITLE: 5-hydroxyindoles with N-oxide groups and the use

thereof as therapeutic agents

INVENTOR(S): Hofgen, Nobert, Ottendorf-Okilla, GERMANY, FEDERAL REPUBLIC OF
Kuss, Hildegard, Dresden, GERMANY, FEDERAL REPUBLIC OF
Steinike, Karin, Radebeul, GERMANY, FEDERAL REPUBLIC OF
Egerland, Ute, Radebeul, GERMANY, FEDERAL REPUBLIC OF
Rundfeldt, Chris, Coswig, GERMANY, FEDERAL REPUBLIC OF
Pfeifer, Thomas, Radebeul, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004266760	A1	20041230	
APPLICATION INFO.:	US 2004-824342	A1	20040414	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-DE10318609	20030424

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: FULBRIGHT & JAWORSKI, LLP, 666 FIFTH AVE, NEW YORK, NY, 10103-3198
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
LINE COUNT: 850
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

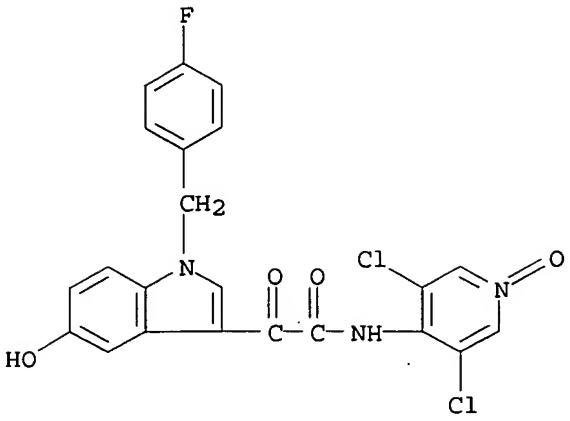
AB The invention relates to substituted 5-hydroxyindoles with N-oxide groups, processes for their preparation, pharmaceutical preparations which comprise these compounds, and the pharmaceutical use of these compounds, which are inhibitors of phosphodiesterase 4, as active ingredients for the treatment of disorders which can be influenced by inhibition of phosphodiesterase 4 activity in particular in immunocompetent cells (e.g. macrophages and lymphocytes) by the compounds of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

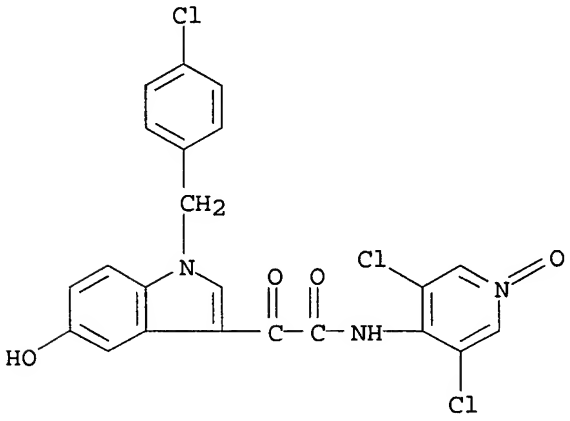
IT **786688-50-4P 786688-51-5P 786688-52-6P**
786688-53-7P 786688-54-8P 786688-55-9P
786688-56-0P 786688-57-1P 786688-58-2P
786688-59-3P
(claimed compound; preparation of oxopyridinyl hydroxyindolylglyoxylamides as
phosphodiesterase IV inhibitors)

RN 786688-50-4 USPATFULL

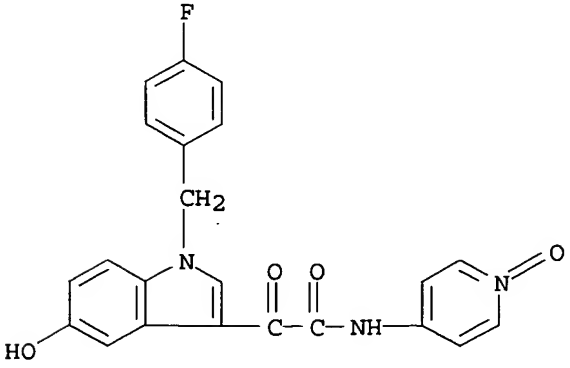
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-5-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 786688-51-5 USPATFULL
CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-α-oxo- (9CI) (CA INDEX NAME)

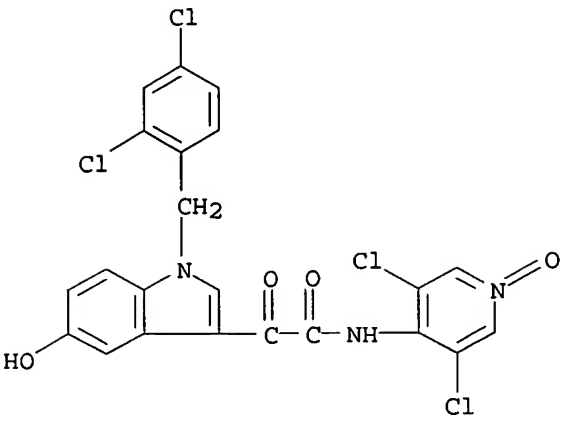


RN 786688-52-6 USPATFULL
CN 1H-Indole-3-acetamide, 1-[(4-fluorophenyl)methyl]-5-hydroxy-N-(1-oxido-4-pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)

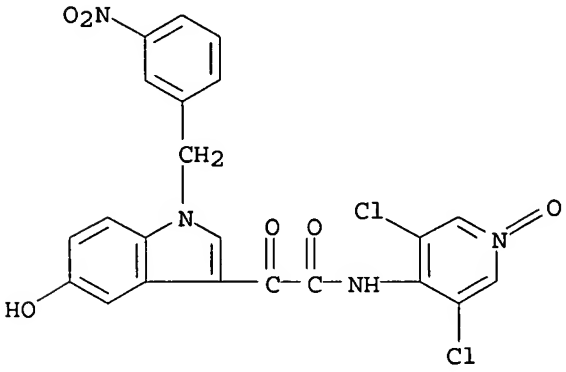


RN 786688-53-7 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,4-

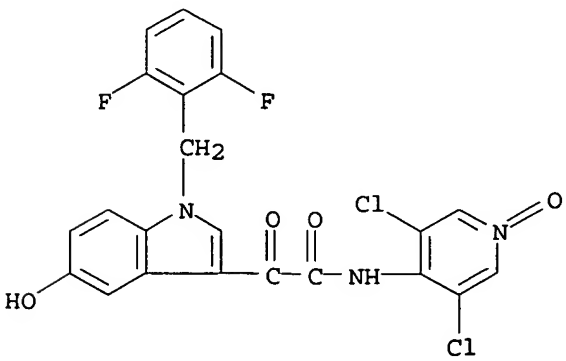
dichlorophenyl)methyl]-5-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 786688-54-8 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-1-[(3-nitrophenyl)methyl]-α-oxo- (9CI) (CA INDEX NAME)



RN 786688-55-9 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,6-difluorophenyl)methyl]-5-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 786688-56-0 USPATFULL
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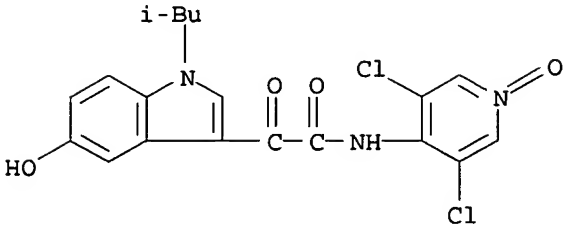
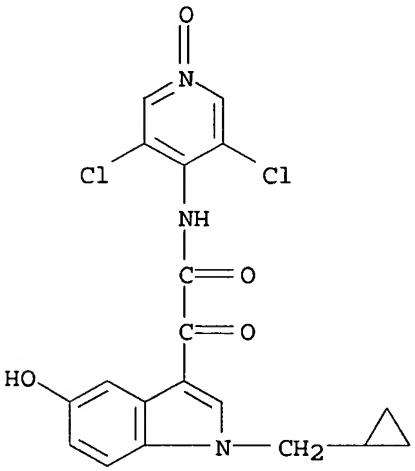
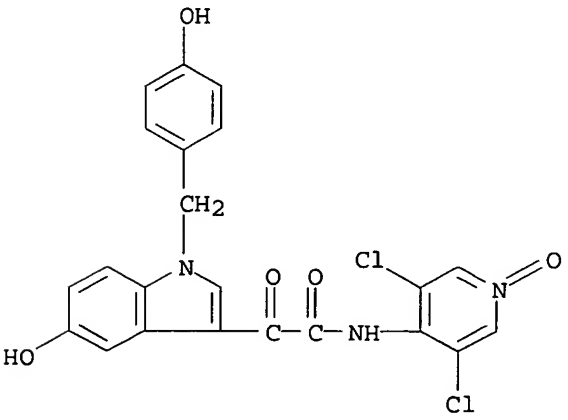
methylpropyl)-α-oxo- (9CI) (CA INDEX NAME)



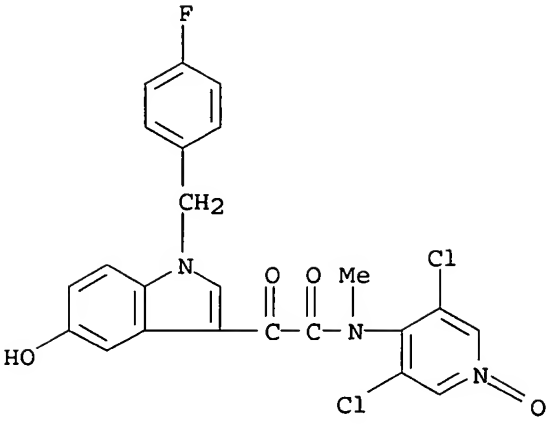
RN 786688-57-1 USPATFULL
CN 1H-Indole-3-acetamide, 1-(cyclopropylmethyl)-N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



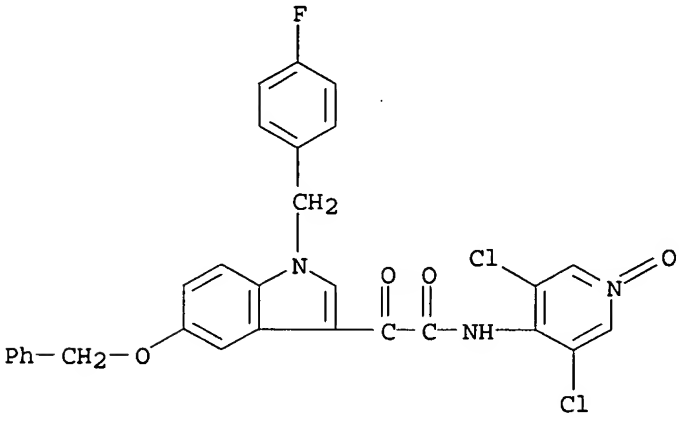
RN 786688-58-2 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-1-[(4-hydroxyphenyl)methyl]-α-oxo- (9CI) (CA INDEX NAME)



RN 786688-59-3 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-5-hydroxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)



IT **786688-60-6P**
(preparation of oxopyridinyl hydroxyindolylglyoxylamides as phosphodiesterase IV inhibitors)
RN 786688-60-6 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-α-oxo-5-(phenylmethoxy)- (9CI) (CA INDEX NAME)



L8 ANSWER 2 OF 8 USPATFULL on STN

ACCESSION NUMBER:	2004:307967 USPATFULL
TITLE:	4-,6- or 7-hydroxyindoles with N-oxide groups and the use thereof as therapeutic agents
INVENTOR(S):	Hofgen, Nobert, Ottendorf-Okrilla, GERMANY, FEDERAL REPUBLIC OF Kuss, Hildegard, Dresden, GERMANY, FEDERAL REPUBLIC OF Steinike, Karin, Radebeul, GERMANY, FEDERAL REPUBLIC OF Egerland, Ute, Radebeul, GERMANY, FEDERAL REPUBLIC OF Rundfeldt, Chris, Coswig, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004242643	A1	20041202	
APPLICATION INFO.:	US 2004-825862	A1	20040416	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-10318611	20030424
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FULBRIGHT & JAWORSKI, LLP, 666 FIFTH AVE, NEW YORK, NY, 10103-3198	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	870	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

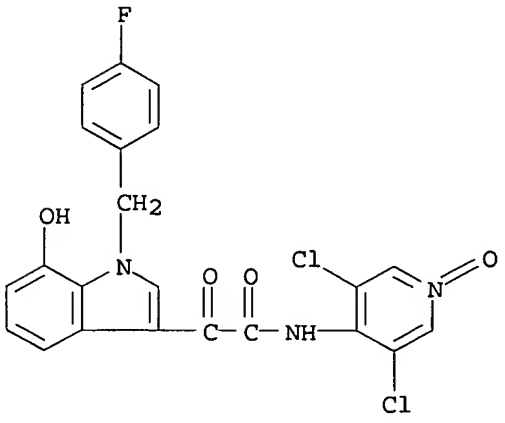
AB The invention relates to substituted 4-,6- or 7-hydroxyindoles with N-oxide groups, process for their preparation, pharmaceutical preparations which comprise these compounds, and the pharmaceutical use of these compounds, which are inhibitors of phosphodiesterase 4, as active ingredients for the treatment of disorders which can be influenced by inhibition of phosphodiesterase 4 activity in particular in immunocompetent cells (e.g. macrophages and lymphocytes) by the compounds of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **785787-52-2P 785787-53-3P 785787-54-4P**
785787-55-5P 785787-56-6P 785787-57-7P
785787-58-8P 785787-59-9P 785787-60-2P
785787-61-3P 785787-62-4P 785787-63-5P
785787-64-6P 785787-65-7P 785787-66-8P
(claimed compound; preparation of hydroxyindolylglyoxylic acid oxopyridinylamides as phosphodiesterase IV inhibitors)

RN 785787-52-2 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 785787-53-3 USPATFULL

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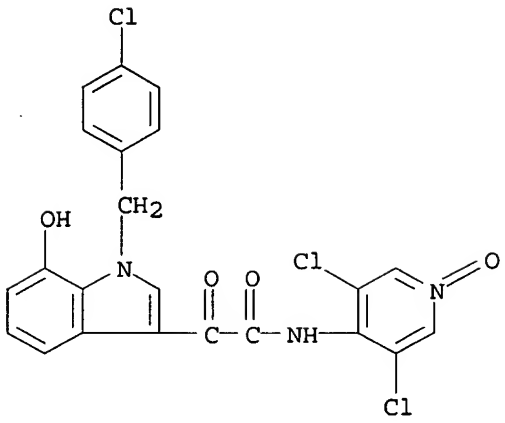

RN 785787-54-4 USPATFULL
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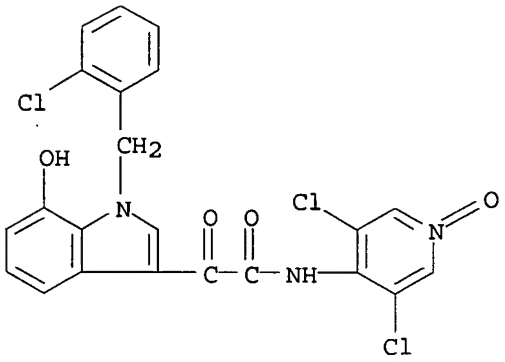
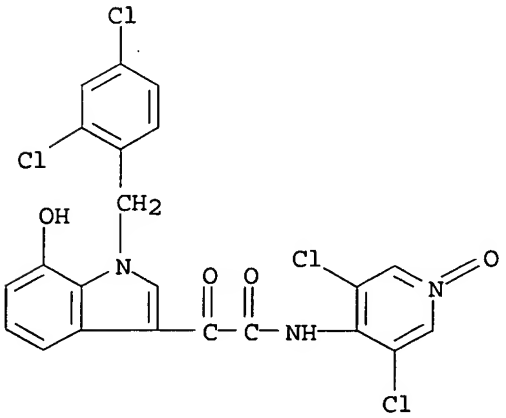
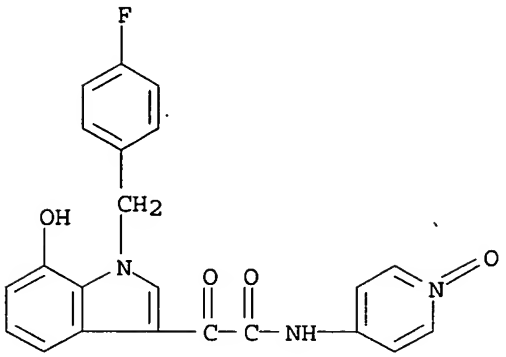


RN 785787-55-5 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,4-dichlorophenyl)methyl]-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)

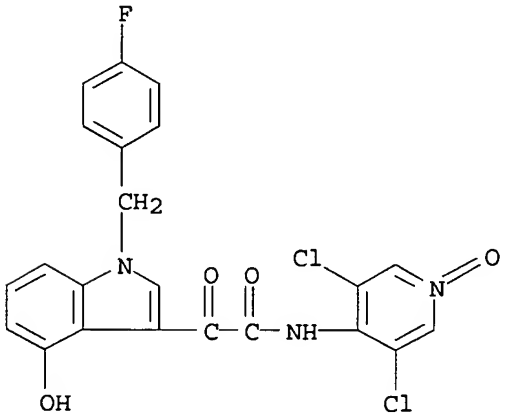


RN 785787-56-6 USPATFULL
CN 1H-Indole-3-acetamide, 1-[(4-fluorophenyl)methyl]-7-hydroxy-N-(1-oxido-4-

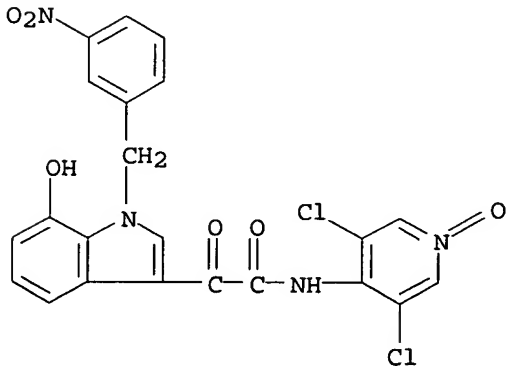
pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)



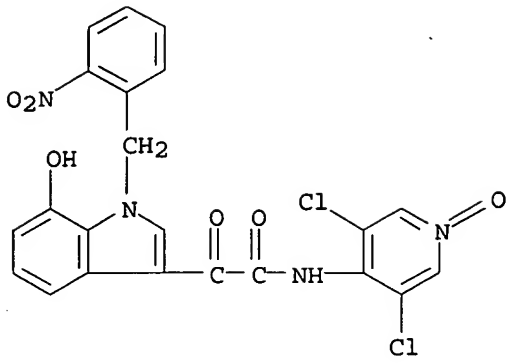
RN 785787-57-7 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-4-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



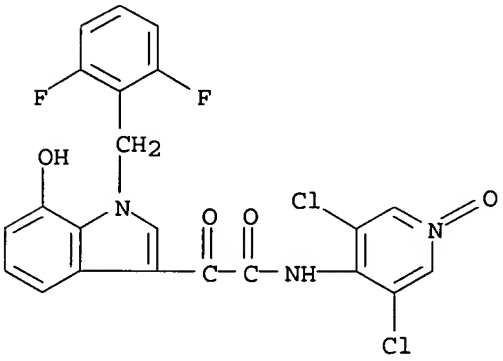
RN 785787-58-8 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-[(3-nitrophenyl)methyl]-α-oxo- (9CI) (CA INDEX NAME)



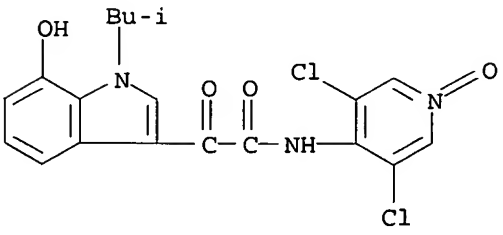
RN 785787-59-9 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-[(2-nitrophenyl)methyl]-α-oxo- (9CI) (CA INDEX NAME)



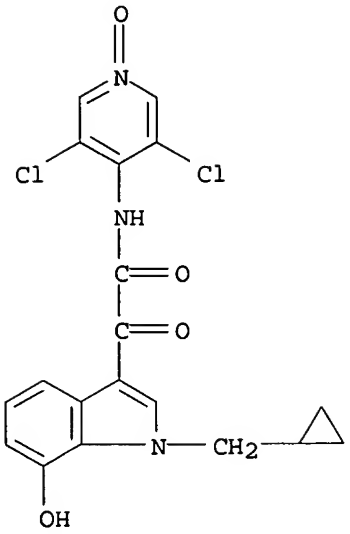
RN 785787-60-2 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,6-difluorophenyl)methyl]-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



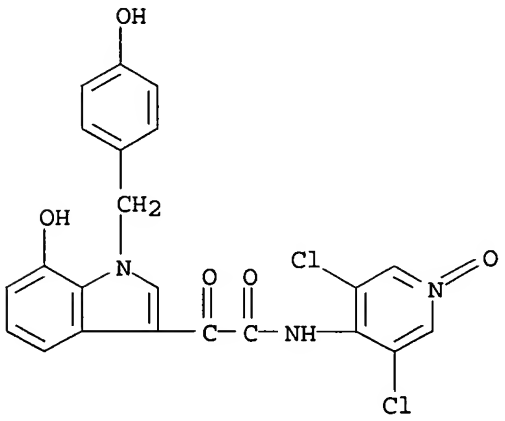
RN 785787-61-3 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-(2-methylpropyl)-α-oxo- (9CI) (CA INDEX NAME)



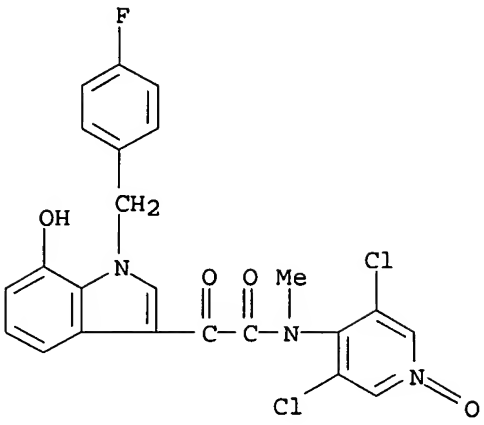
RN 785787-62-4 USPATFULL
CN 1H-Indole-3-acetamide, 1-(cyclopropylmethyl)-N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



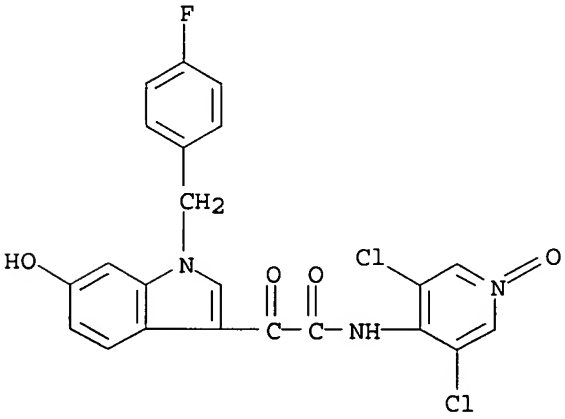
RN 785787-63-5 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-[(4-hydroxyphenyl)methyl]-α-oxo- (9CI) (CA INDEX NAME)



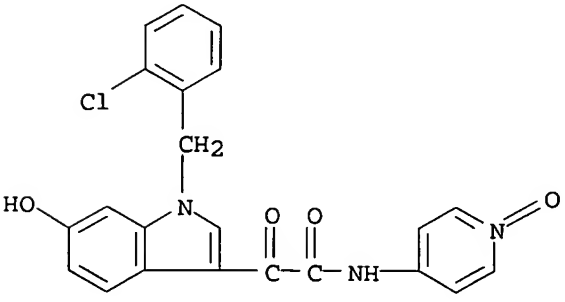
RN 785787-64-6 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-7-hydroxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)



RN 785787-65-7 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-6-hydroxy-α-oxo- (9CI) (CA INDEX NAME)

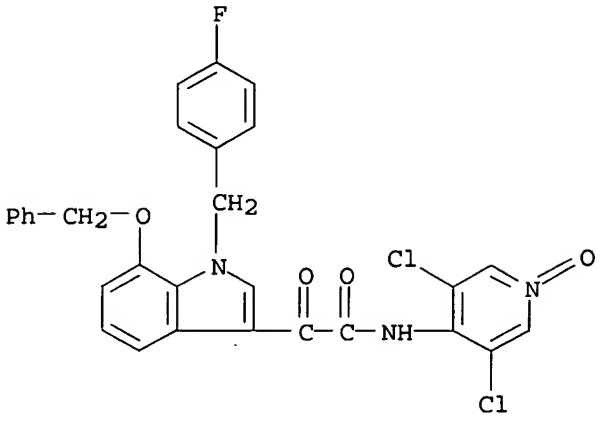


RN 785787-66-8 USPATFULL
CN 1H-Indole-3-acetamide, 1-[(2-chlorophenyl)methyl]-6-hydroxy-N-(1-oxido-4-pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)



IT **785787-67-9P**
(preparation of hydroxyindolylglyoxylic acid oxopyridinylamides as phosphodiesterase IV inhibitors)
RN 785787-67-9 USPATFULL
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-

fluorophenyl)methyl]-α-oxo-7-(phenylmethoxy)- (9CI) (CA INDEX NAME)



L8 ANSWER 3 OF 8 USPATFULL on STN

ACCESSION NUMBER:	2004:221896 USPATFULL
TITLE:	Indolyl-3-glyoxylic acid derivatives having therapeutically valuable properties
INVENTOR(S):	Nickel, Bernd, Muhltal, GERMANY, FEDERAL REPUBLIC OF Bacher, Gerald, Heidelberg, GERMANY, FEDERAL REPUBLIC OF Klenner, Thomas, Ingelheim, GERMANY, FEDERAL REPUBLIC OF Beckers, Thomas, Frankfurt, GERMANY, FEDERAL REPUBLIC OF Emig, Peter, Bruchkobel, GERMANY, FEDERAL REPUBLIC OF Engel, Jurgen, Alzenau, GERMANY, FEDERAL REPUBLIC OF Bruyneel, Erik, Harelbeke, BELGIUM Kamp, Gunter, Munster, GERMANY, FEDERAL REPUBLIC OF Peters, Kirsten, Munster, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S):	Baxter Healthcare SA, Wallisellen, SWITZERLAND (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004171668	A1	20040902
APPLICATION INFO.:	US 2003-686809	A1	20031017 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-492531, filed on 27 Jan 2000, GRANTED, Pat. No. US 6693119
Continuation-in-part of Ser. No. US 1999-285058, filed on 2 Apr 1999, GRANTED, Pat. No. US 6232327

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1999-19946301	19990828
	DE 1998-19814838	19980402

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102
NUMBER OF CLAIMS:	13
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	9 Drawing Page(s)
LINE COUNT:	570

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of N-substituted indole-3-glyoxylamides of the general Formula I: ##STR1##

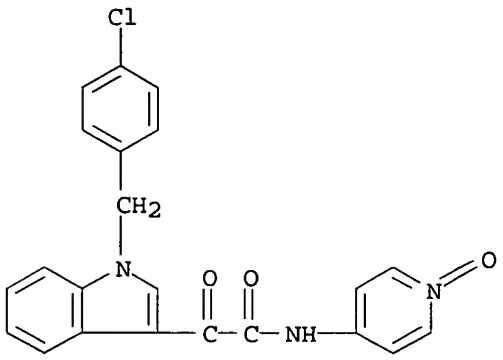
and to pharmaceutical compositions having antitumor action.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **245661-30-7P**
(preparation of indolylglyoxylamides as antitumor agents)

RN 245661-30-7 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)



L8 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:277333 USPATFULL

TITLE: Indolyl-3-glyoxylic acid derivatives having antitumor action

INVENTOR(S): Nickel, Bernd, Muhltal, GERMANY, FEDERAL REPUBLIC OF
Szelenyi, Istvan, Schwaig, GERMANY, FEDERAL REPUBLIC OF
Schmidt, Jurgen, Uhldingen Muhlhofen, GERMANY, FEDERAL REPUBLIC OF
Emig, Peter, Bruchkobel, GERMANY, FEDERAL REPUBLIC OF
Reichert, Dietmar, Eschau, GERMANY, FEDERAL REPUBLIC OF
Gunther, Eckhard, Maintal, GERMANY, FEDERAL REPUBLIC OF
Brune, Kay, Marloffstein, GERMANY, FEDERAL REPUBLIC OF
Le Baut, Guillaume, Saint Sebastian/Loire, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): ASTA Medica Aktiengesellschaft (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003195360	A1	20031016
APPLICATION INFO.:	US 2002-309204	A1	20021204 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-810604, filed on 19 Mar 2001, PENDING Continuation of Ser. No. US 1999-285058, filed on 2 Apr 1999, GRANTED, Pat. No. US 6232327

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19814838	19980402

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102

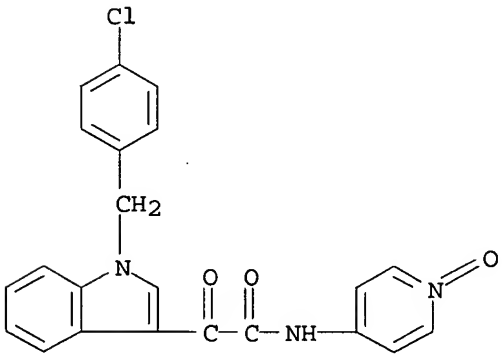
NUMBER OF CLAIMS: 10

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 1007
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of N-substituted indole-3-glyoxylamides of the general formula I as antitumor agents ##STR1##

and to a pharmaceutical composition having antitumor action, characterized in that it contains at least one of the compounds of the general formula 1, if appropriate also in the form of the physiologically tolerable acid addition salts or N-oxides. Furthermore, the invention also includes antitumor agents comprising as active compound one or more N-substituted indole-3-glyoxylamides according to the general formula 1 and, if appropriate, their physiologically tolerable acid addition salts and, if possible, N-oxides and a pharmaceutically utilizable carrier and/or diluent or auxiliary substance in the form of tablets, coated tablets, capsules, solutions for infusion or ampoules, suppositories, patches, powder preparations which can be employed by inhalation, suspensions, creams and ointments.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **245661-30-7P**
(preparation of indolylglyoxylamides as antitumor agents)
RN 245661-30-7 USPATFULL
CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)



L8 ANSWER 5 OF 8 USPATFULL on STN
ACCESSION NUMBER: 2003:166653 USPATFULL
TITLE: Indolyl-3-glyoxylic acid derivatives having therapeutically valuable properties
INVENTOR(S): Nickel, Bernd, Muhltal, GERMANY, FEDERAL REPUBLIC OF
Bacher, Gerald, Heidelberg, GERMANY, FEDERAL REPUBLIC OF
Klenner, Thomas, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
Beckers, Thomas, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Emig, Peter, Bruchkobel, GERMANY, FEDERAL REPUBLIC OF
Engel, Jurgen, Alzenau, GERMANY, FEDERAL REPUBLIC OF
Bruyneel, Erik, Harelbeke, BELGIUM
Kamp, Gunter, Munster, GERMANY, FEDERAL REPUBLIC OF
Peters, Kirsten, Munster, GERMANY, FEDERAL REPUBLIC OF

NUMBER	KIND	DATE

10/824,342

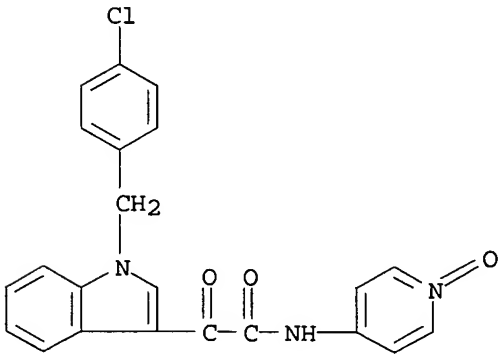
PATENT INFORMATION:	US 2003114511	A1	20030619	
	US 6693119	B2	20040217	
APPLICATION INFO.:	US 2000-492531	A1	20000127	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19814838	19980402
	DE 1999-19946301	19990928

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Page(s)
LINE COUNT: 576
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The object of the invention is then to widen the field of use of N-substituted indole-3-glyoxylamides and thus to enrich the available pharmaceutical wealth. The possibility of a lower, longer-lasting and better-tolerable medication for the class of substances having antitumor action described in German Patent Application 19814 838.0 should thus be opened up. In particular, the disadvantageous development of resistance, as is known of many antitumor agents, should be circumvented.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **245661-30-7P**
(preparation of indolylglyoxylamides as antitumor agents)
RN 245661-30-7 USPATFULL
CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)



L8 ANSWER 6 OF 8 USPATFULL on STN
ACCESSION NUMBER: 2003:31141 USPATFULL
TITLE: United states patent office
INVENTOR(S): Nickel, Bernd, Muhltal, GERMANY, FEDERAL REPUBLIC OF
Szelenyi, Istvan, Schwaig, GERMANY, FEDERAL REPUBLIC OF
Schmidt, Jurgen, Uhldingen Muhlhofen, GERMANY, FEDERAL REPUBLIC OF
Emig, Peter, Bruchkobel, GERMANY, FEDERAL REPUBLIC OF
Reichert, Dietmar, Eschau, GERMANY, FEDERAL REPUBLIC OF
Gunther, Eckhard, Maintal, GERMANY, FEDERAL REPUBLIC OF
Brune, Kay, Marloffstein, GERMANY, FEDERAL REPUBLIC OF
Le Baut, Guillaume, Saint Sebastian/Loire, FRANCE
PATENT ASSIGNEE(S): ASTA Medica Aktiengesellschaft (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003023093	A1	20030130
APPLICATION INFO.:	US 2001-810604	A1	20010319 (9)

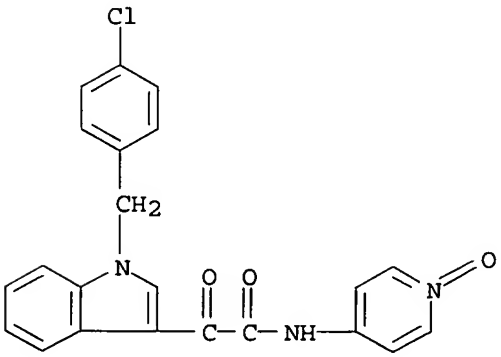
	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19814838	19980402

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 1036
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of N-substituted indole-3-glyoxylamides of the general formula I as antitumor agents ##STR1##

and to a pharmaceutical composition having antitumor action, characterized in that it contains at least one of the compounds of the general formula 1, if appropriate also in the form of the physiologically tolerable acid addition salts or N-oxides. Furthermore, the invention also includes antitumor agents comprising as active compound one or more N-substituted indole-3-glyoxylamides according to the general formula 1 and, if appropriate, their physiologically tolerable acid addition salts and, if possible, N-oxides and a pharmaceutically utilizable carrier and/or diluent or auxiliary substance in the form of tablets, coated tablets, capsules, solutions for infusion or ampoules, suppositories, patches, powder preparations which can be employed by inhalation, suspensions, creams and ointments.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **245661-30-7P**
(preparation of indolylglyoxylamides as antitumor agents)
RN 245661-30-7 USPATFULL
CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)



L8 ANSWER 7 OF 8 USPATFULL on STN
ACCESSION NUMBER: 2001:71562 USPATFULL
TITLE: Indolyl-3-glyoxylic acid derivatives having antitumor action
INVENTOR(S): Nickel, Bernd, Muhltal, Germany, Federal Republic of
Szelenyi, Istvan, Schwaig, Germany, Federal Republic of

Schmidt, Jurgen, Uhldingen Muhlhofen, Germany, Federal Republic of
Emig, Peter, Bruchkobel, Germany, Federal Republic of
Reichert, Dietmar, Eschau, Germany, Federal Republic of
Gunther, Eckhard, Maintal, Germany, Federal Republic of
Brune, Kay, Marloffstein, Germany, Federal Republic of
PATENT ASSIGNEE(S): Asta Medica Aktiengesellschaft, Dresden, Germany, Federal Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6232327	B1	20010515
APPLICATION INFO.:	US 1999-285058		19990402 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19814838	19980402

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Rotman, Alan L.
ASSISTANT EXAMINER: Desai, Rita
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 957

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of N-substituted indole-3-glyoxylamides of the general formula I as antitumor agents ##STR1##

and to a pharmaceutical composition having antitumor action, characterized in that it contains at least one of the compounds of the general formula 1, if appropriate also in the form of the physiologically tolerable acid addition salts or N-oxides. Furthermore, the invention also includes antitumor agents comprising as active compound one or more N-substituted indole-3-glyoxylamides according to the general formula 1 and, if appropriate, their physiologically tolerable acid addition salts and, if possible, N-oxides and a pharmaceutically utilizable carrier and/or diluent or auxiliary substance in the form of tablets, coated tablets, capsules, solutions for infusion or ampoules, suppositories, patches, powder preparations which can be employed by inhalation, suspensions, creams and ointments.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **245661-30-7P**
(preparation of indolylglyoxylamides as antitumor agents)

RN 245661-30-7 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)